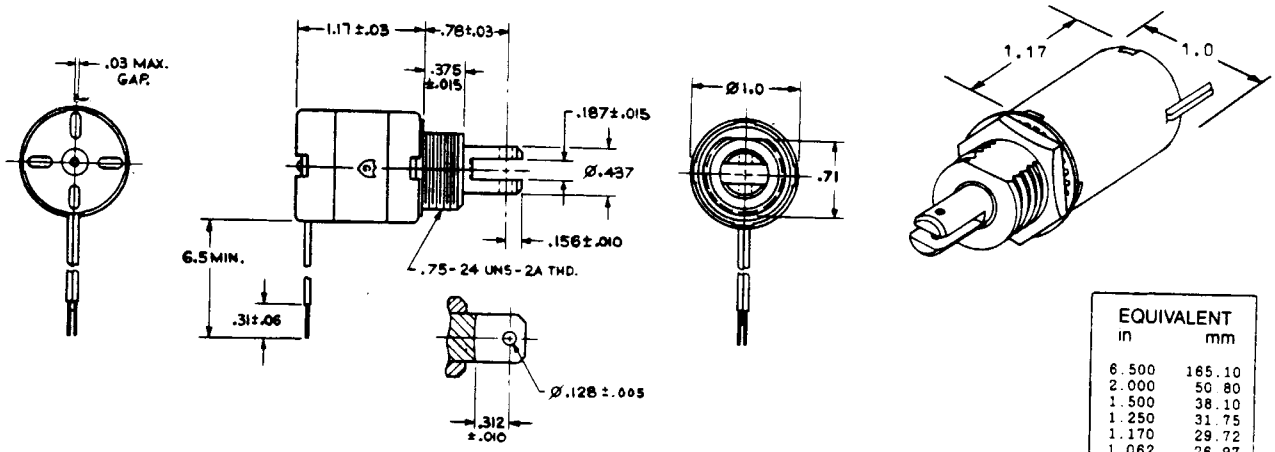
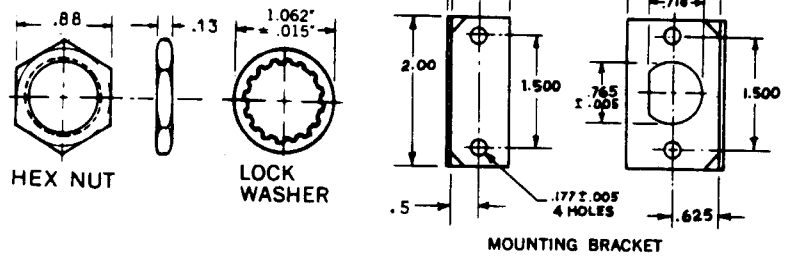


EQUIVALENT in	mm
6.500	165.10
2.000	50.80
1.500	38.10
1.250	31.75
1.170	29.72
1.062	26.97
1.000	25.40
0.880	22.35
0.780	19.81
0.765	19.43
0.750	19.05
0.718	18.24
0.710	18.03
0.625	15.88
0.500	12.70
0.437	11.10
0.375	9.53
0.312	7.92
0.310	7.87
0.187	4.75
0.177	4.50
0.156	3.96
0.130	3.30
0.128	3.25
0.075	1.91
0.060	1.52
0.030	0.76
0.015	0.38
0.010	0.25
0.005	0.13



MOUNTING BRACKET

TYPICAL COILS

VOLTAGE	CONTINUOUS 5 Watts			INTERMITTENT 14 Watts		
	COIL No	OHMS	NI	COIL No	OHMS	NI
6 DC	15	8.8	506	10	2.84	910
12 DC	21	35.5	505	16	10.9	903
24 DC	27	135	506	22	44	899
120 AC FWR	39	2248	539	35	816	897

TYPICAL OPERATE TIME

62 Deg Plunger Cone Angle	NI (Ampere Turns) 500	750	1000
PULL IN (Maximum)	70 ms	40 ms	30 ms
DROP OUT (Maximum)	60 ms	70 ms	80 ms

Position = Plunger Down
Stroke = .2 in (5.08 mm)
Load = 1.2 oz (3.4 gms)

POWER INPUT RANGE:

Minimum	.8	Watts
Maximum ..... (Continuous Duty) ..	5	Watts
1 Sec on.... (Pulse Duty)	100	Watts
10 Sec on ... (10% Duty Cycle) ...	41	Watts
100 Sec on ... (25% Duty Cycle) ...	14	Watts

U/L RECOGNITION:
Recognized under the Component Recognition Program of Underwriters Laboratories Inc.

MAJOR DIMENSIONS:

Length	1.13	in	(29	mm)
Body Diameter	1	in	(25.4	mm)
Height		in	(	mm)
Plunger Diameter	.937	in	(11.1	mm)
Maximum Stroke	.500	in	(12.7	mm)

Available in push type action. See page 3.

DIELECTRIC WITHSTAND: ..... 1500 Volts 60 Hz.

COIL LEADS:
Standard 26 ga, 6.5 in (165 mm) PVC insulation
Also available ... Other size wire and insulation or leads with terminals.

INSULATING MATERIALS: (Class "105" Standard)
Coil Bobbin ..... Polyester
Coil Cover (Standard) ..... Polyester Tape
Also available ....Special Hi-Temp Materials

WEIGHT:

Plunger	1.03 oz	(29.2 gms)
Total	3.46 oz	(98.6 gms)

PLUNGER CONE ANGLE:
Standard ..... 62 Degrees
Also available ..... Flat, 92 Deg, Custom

COIL INFORMATION

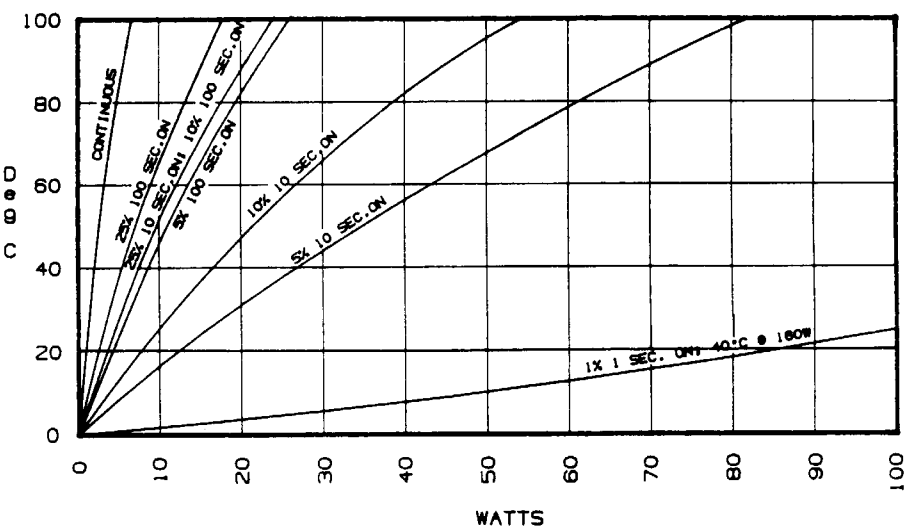
.8 to 100 Watts at + 23 degrees C. * = Full wave rectified unfiltered, RMS

Coil No.	Wire Size	Coil Ohms	Total Turns	6 Volts DC Watts	6 Volts DC NI	12 Volts DC Watts	12 Volts DC NI	24 Volts DC Watts	24 Volts DC NI	120 Volts AC * Watts	120 Volts AC * NI
1	21.0	0.36	156	99.6	2589						
2	21.5	0.44	171	80.9	2307						
3	22.0	0.57	194	63.1	2041						
4	22.5	0.72	218	50.1	1820						
5	23.0	0.90	245	39.9	1628						
6	23.5	1.14	274	31.7	1447						
7	24.0	1.43	307	25.2	1288						
8	24.5	1.78	341	20.2	1151	81.0	2301				
9	25.0	2.24	381	16.1	1021	64.3	2042				
10	25.5	2.84	431	12.7	910	50.7	1820				
11	26.0	3.54	476	10.2	806	40.6	1612				
12	26.5	4.45	532	8.1	717	32.3	1434				
13	27.0	5.6	597	6.5	643	25.8	1285				
14	27.5	7.0	665	5.2	572	20.7	1145	82.6	2290		
15	28.0	8.8	742	4.1	506	16.4	1012	65.5	2024		
16	28.5	10.9	822	3.3	451	13.2	903	52.7	1805		
17	29.0	13.6	925	2.6	407	10.6	814	42.2	1628		
18	29.5	17.4	1040	2.1	358	8.3	716	33.1	1432		
19	30.0	22.0	1170	1.6	319	6.5	637	26.2	1275		
20	30.5	27.0	1293	1.3	288	5.3	575	21.4	1151		
21	31.0	35.5	1492	1.0	253	4.1	505	16.2	1010		
22	31.5	44.0	1648	0.8	225	3.3	450	13.1	899		
23	32.0	53.0	1802			2.7	408	10.9	816		
24	32.5	68.1	2034			2.1	359	8.5	717		
25	33.0	85.8	2298			1.7	321	6.7	643		
26	33.5	107	2561			1.3	286	5.4	572		
27	34.0	135	2856			1.1	253	4.3	506	81.8	2226
28	34.5	174	3210			0.8	222	3.3	444	63.9	1953
29	35.0	219	3641					2.6	400	50.7	1759
30	35.5	270	4031					2.1	358	41.0	1576
31	36.0	336	4462					1.7	319	33.0	1402
32	36.5	424	4976					1.4	282	26.1	1239
33	37.0	523	5620					1.1	258	21.2	1136
34	37.5	679	6343					0.8	224	16.3	986
35	38.0	816	6931							13.6	897
36	38.5	1095	7961							10.1	768
37	39.0	1420	9238							7.8	687
38	39.5	1771	10246							6.3	611
39	40.0	2248	11474							4.9	539
40	40.5	2534	12115							4.4	505
41	41.0	3510	14616							3.2	440
42	41.5	4651	16700							2.4	379
43	42.0	5394	17911							2.1	351
44	42.5	6300	19271							1.8	323
45	43.0	8746	22480							1.3	271
46	43.5	10395	24346							1.1	247
47	44.0	13649	28993							0.8	224

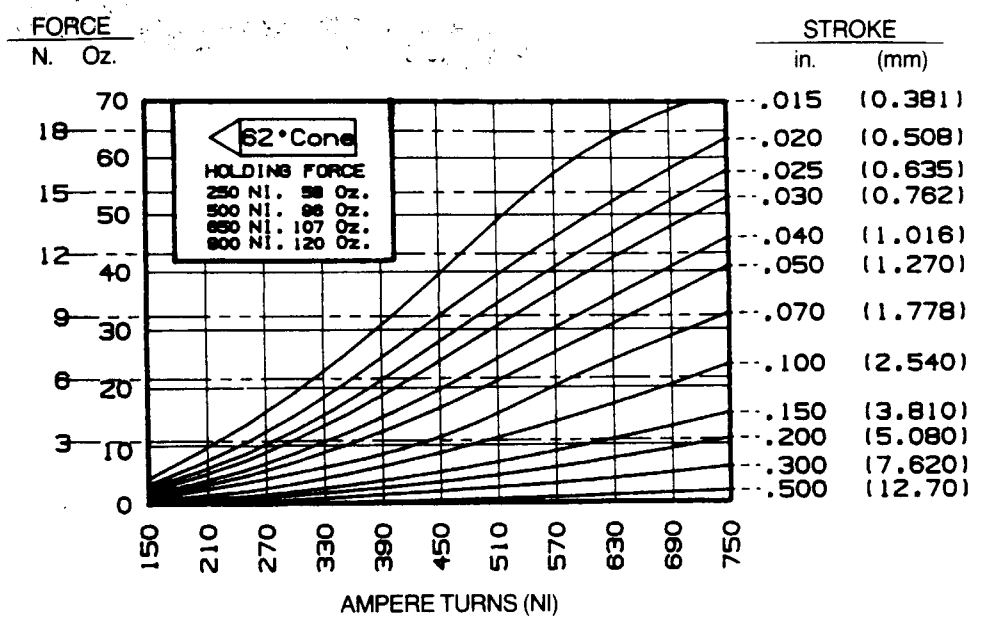
* Full Wave, rectified, unfiltered, RMS. TRUE power = approx. 77% APPARENT power. TRUE NI = approx. 88% APPARENT NI.

NOTE: **Coil Data Chart to be used in conjunction with NI charts on following page. See instructions on pages 4 and 5.

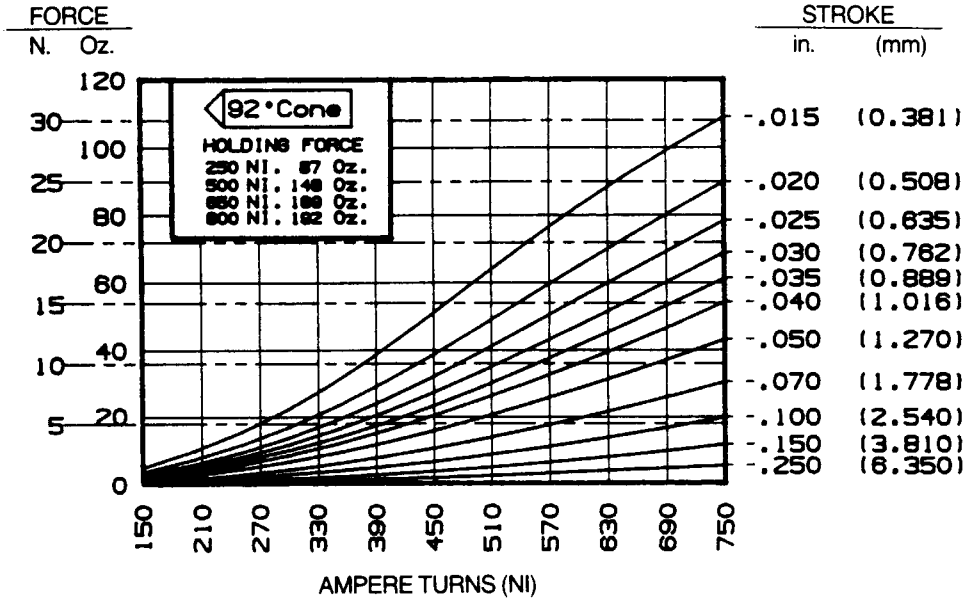
HEAT RISE



62° Cone



92° Cone



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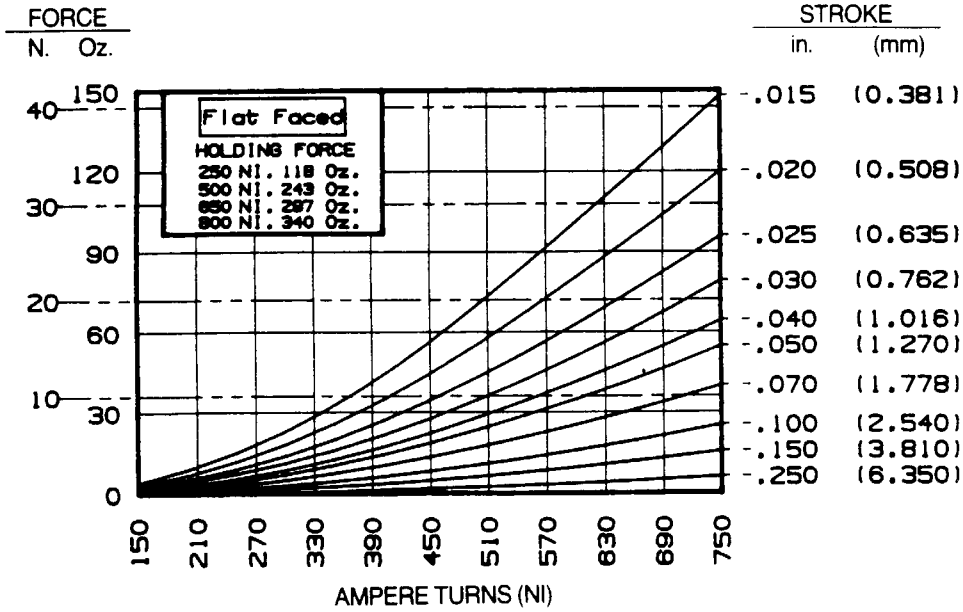
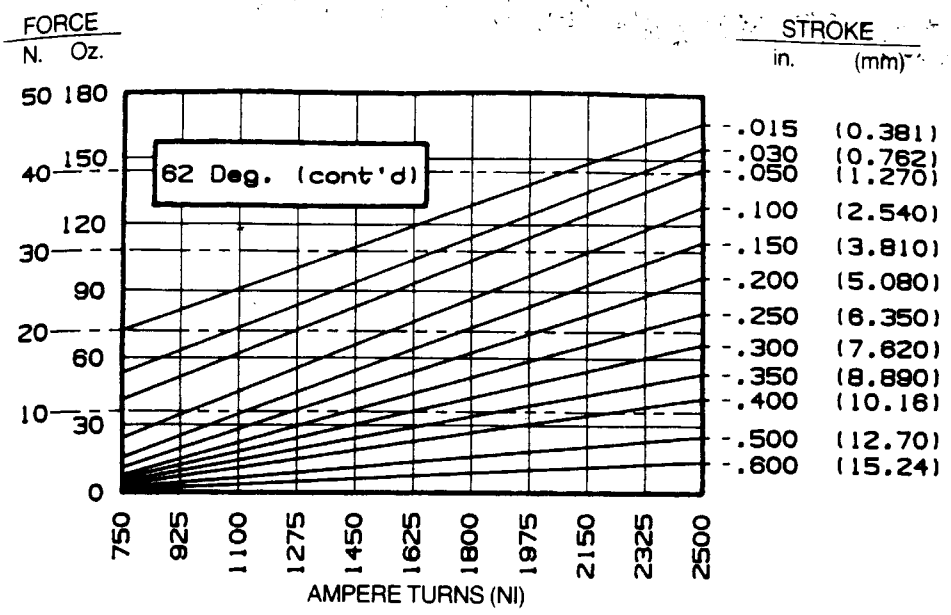
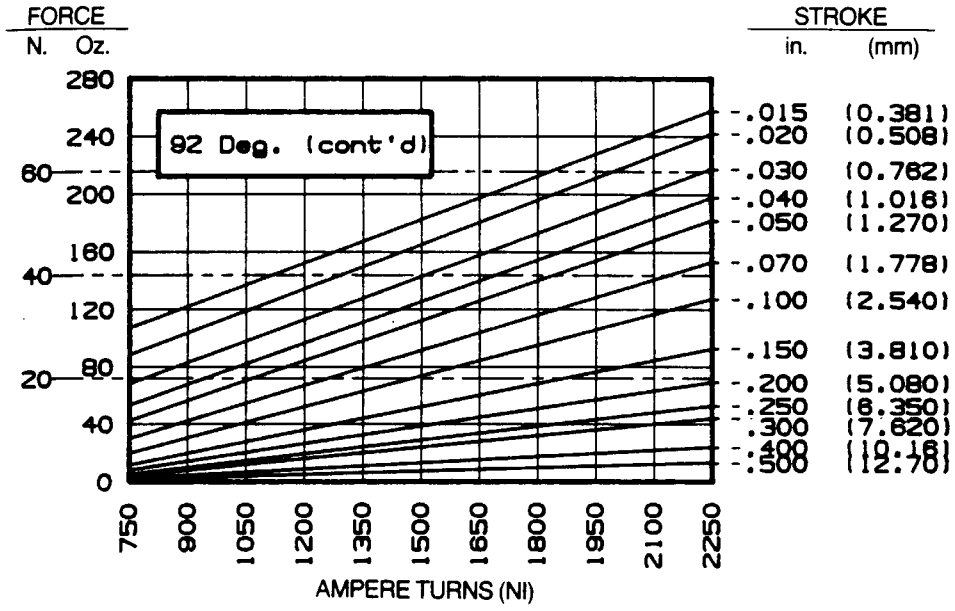




62° Cone
Continued



92° Cone
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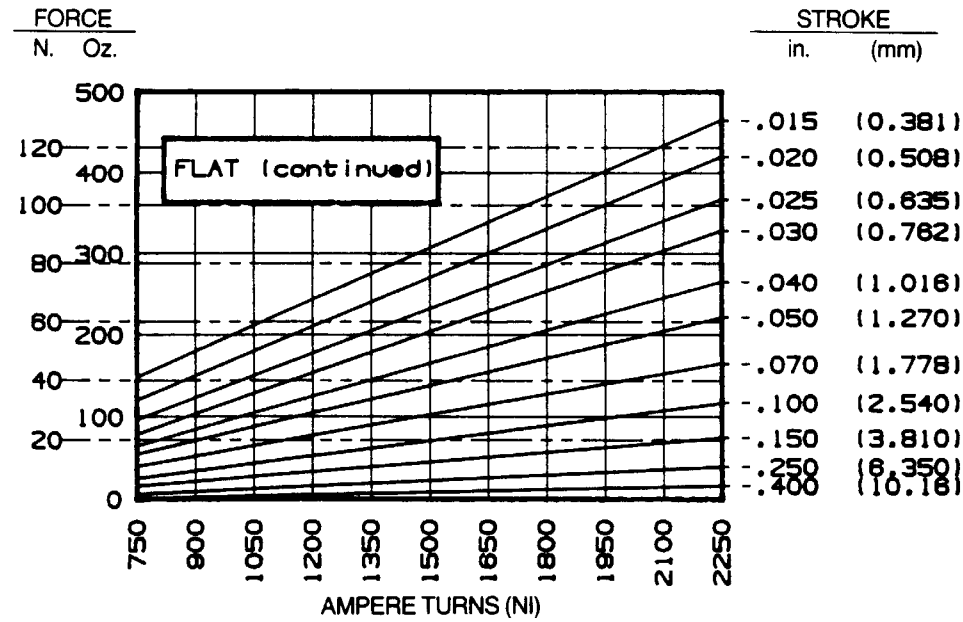

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